

# Product Datasheet

## CEACAM5/CD66e Antibody (C66/1009)

### NBP2-44904-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44904-0.1mg**

CEACAM5/CD66e Antibody (C66/1009)

| Product Information |                          |
|---------------------|--------------------------|
| Unit Size           | 0.1 mg                   |
| Concentration       | 0.2 mg/ml                |
| Storage             | Store at 4C.             |
| Clonality           | Monoclonal               |
| Clone               | C66/1009                 |
| Preservative        | 0.05% Sodium Azide       |
| Isotype             | IgG2a Kappa              |
| Purity              | Protein A or G purified  |
| Buffer              | 10 mM PBS with 0.05% BSA |

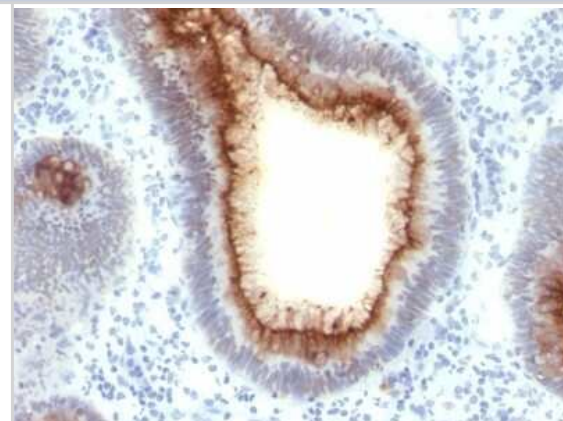
| Product Description     |  |
|-------------------------|--|
| Description             | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47976)<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.  |
| Host                    | Mouse  |
| Gene ID                 | 1048   |
| Gene Symbol             | CEACAM5  |
| Species                 | Human  |
| Specificity/Sensitivity | This antibody recognizes proteins of 80-200kDa, identified as different members of CEA family. CEA is synthesized during development in the fetal gut and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. This monoclonal antibody does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues. CEA is not found in benign glands, stroma, or malignant prostatic cells. Antibody to CEA is useful in detecting early foci of gastric carcinoma and in distinguishing pulmonary adenocarcinomas (60-70% are CEA +) from pleural mesotheliomas (rarely or weakly CEA+). Anti-CEA positivity is seen in adenocarcinomas from the lung, colon, stomach, esophagus, pancreas, gallbladder, urachus, salivary gland, ovary, and endocervix. |
| Immunogen               | Recombinant full-length human CEACAM5/CD66e protein (Uniprot: P06731)  |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence  |
| Recommended Dilutions       | Flow Cytometry 0.5-1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 1 - 2 ug/ml   |
| Application Notes           | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |



## Images

Immunohistochemistry-Paraffin: CEACAM5/CD66e Antibody (C66/1009) [NBP2-44904] - Human Colon Carcinoma stained with CEA Monoclonal Antibody (C66/1009).





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### **Products Related to NBP2-44904-0.1mg**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96981-0.5mg | Mouse IgG2a Kappa Isotype Control (M2AK)                |
| NBP1-85742PEP    | CEACAM5/CD66e Recombinant Protein Antigen               |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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